

Sarah Bordelon Cruise 07 Daily Report

Period covered: 0000 to 2359, 7 December 2010

Vessel science party:

Role	Name	Email
Chief Scientist	Dr. John Kessler	johndkessler@gmail.com
Senior Scientist	Dr. Peter Raymond	Peter.Raymond@yale.edu
Scientist	James Collins	James.collins@yale.edu
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NOAA NRDA Sampler	Tom Pawlicki	tpawlicki@ec.rr.com
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Data Manager	Sam Gilbo	sam.gilbo@moellerinc.com
Integral Senior Scientist	Ian Stupakof	istupakoff@integral-corp.com
Integral Scientist	Rene Trudeau	rene@gavityenv.com
Cardno ENTRIX Water Sampler	Nicholas Ellis	nicholas.ellis@cardno.com
Cardno ENTRIX Water Sampler	Kristin Morrison	kristin.morrison@cardno.com

General Location Descriptions:

Southwest of the wellhead 30 km and heading toward the wellhead.

Station numbers/Transect Numbers:

Station SB07-008, Lat 28.3960 Lon -88.6118, Filename = COOP7_SB_008_12071210
Station SB07-009, Lat 28.185 Lon -88.725, Filename = COOP7_SB_009_16071210
Station SB07-0010, Lat 28.612 Lon -88.637, Filename = COOP7_SB_010_21071210

Daily Operations:

Data Collection	Collected (Y/N)?	File Names	Comment
CTD Casts	Y	See above in "General Descriptions"	
Fluorometry	Y		
LISST	Y		
Dissolved Oxygen	Y		
Sampling – TPH	Y		
Sampling – VOA	Y		
GCMS	N		
Acoustics	N		
MOCNESS	N		
Biota	N		
Other:	N		

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Today's Significant Findings:

Similar findings to the previous casts.

There were significant AquaTracka signals between 1000 to 1400 m depth (0.05 µg/L above background), similar to what we observed on the previous stations on this cruise. Both stations investigated today have a secondary AquaTracka signal that was approximately 100m in thickness centered at 1620m. Very minimal to no DO sags were associated with these AquaTracka signals.

Operational / Logistical issues:

Operations were halted from 0000 to 0800 due to heavy and sporadic wind conditions making it difficult to hold DP. At approximately 0800, the transfer ship arrived and both NRDA and Cardno ENTRIX samples were transferred successfully. At 0947, sampling resumed and 3 stations were sampled before 2359.

Daily Log:

0000: Check ability to hold DP and sample. Results: winds and seas too rough to sample

0800: Sample transfer to the Emily Bordelon.

0947: Station SB07-008, CTD in water

1424: Station SB07-009, CTD in water

1954: Station SB07-010, CTD in water

Planned Activities for next 24 hours:

Proposed	SB07-011	28.7348	-88.4716
Proposed	SB07-012	28.7143	-88.4209
Proposed	SB07-013	28.6380	-88.2347
Proposed	SB07-014	28.5647	-88.0576
Proposed	SB07-015	28.5488	-88.0190